



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com**

NOTICE OF ACCEPTANCE (NOA)

**Quality Engineered Products, Co., Inc.
4506 Quality Lane
Tampa, FL 33622**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 16 ga Outswing Commercial Steel Door w/ wo Panic Exit Devices-Impact

APPROVAL DOCUMENT: Drawing No. 16GACOSD-1, titled "16 GA Commercial Outswing Steel Door", sheets 1 through 8 of 8, prepared by manufacturer, dated 05/06/04 and last revised on 02/01/2006, signed and sealed by David M. Schonacher Jr. , P. E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 04-0822.02, consists of this page, evidence sheet E-1 and E-2, as well as, approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



**NOA No 04-0823.05
Expiration Date: January 30, 2008
Approval Date: February 24, 2006
Page 1**

*X
2/2/06*

Quality Engineered Products, Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **16GACOSD-1**, titled "16 GA Commercial Outswing Steel Door", sheets 1 through 8 of 8, prepared by manufacturer, dated 05/06/04 and last revised on 02/01/2006, signed and sealed by David M. Schonacher Jr., P. E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 3) Water Resistance Test per FBC, TAS 202-94 (Not Performed).
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings & installation diagram of Commercial Steel Doors w /Panic devices, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1276W**, dated Nov. 11, 2004, signed and sealed by Ramesh Patel, P. E.

(Note: This test report has been revised under Test Report No. **CTLA 1276WR**, re-issued on Feb 01, 2005 by Certified Testing Laboratories, signed and sealed by Ramesh Patel, P. E.)

2. Test reports (Transferred from file # **04-0220.02**)
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 3) Water Resistance Test per FBC, TAS 202-94 (Not Performed).
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of Steel Commercial Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 114W**, dated December 09, 2003, signed and sealed by Ramesh Patel, P. E

(Note: This test report has been revised by addendum letter dated May 26, 2004 & June 30, 2005, issued by Certified Testing Laboratories Inc.)

3. Additional test report **HTL-0050-1012-97** tested per FBC, TAS 202-94, issued by Hurricane testing laboratories, Inc. dated 10-16-98, signed and sealed by Timothy S. Marshall, P. E. (Transferred from file # 04-0220.02)

C. CALCULATIONS

1. Anchor verification calculations, dated 01/18/2006 and revised on 01-26-06, prepared, signed and sealed by David M. Schonacher Jr., P.E
2. Anchor verification calculations, dated 01/14/2004 and revised on 06-09-04, prepared, signed and sealed by C. F. Fernandez, P.E.

D. QUALITY ASSURANCE BY:

1. Miami Dade Building Code Compliance Office (BCCO).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 04-0823.05

Expiration Date: January 30, 2008

Approval Date: February 24, 2006

Quality Engineered Products, Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITT

E. MATERIAL CERTIFICATIONS (Transferred from file # 04-0220.02)

1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTLA114W)**, tested per ASTM E-A370-97, dated December 02,2003, signed and sealed by Ramesh Patel, P. E.
2. Notice of Acceptance No. **01-1108.09** issued to Apache Products Company for “EPS-Expanded Polystyrene Insulation”, expiring on 01/11/2007.

F. STATEMENTS

1. Statement letter of conformance and “no financial interest”, dated 01-26-2006, signed and sealed by David M. Schonacher Jr. , P. E.
2. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER

1. This NOA revises NOA #. **04-0220.02 (# 02-1011.05)**, expiring January 30, 2008
2. Test Proposal by Q. E. P. dated September 19, 2002, approved by BCCO.

Ishaq I. Chanda

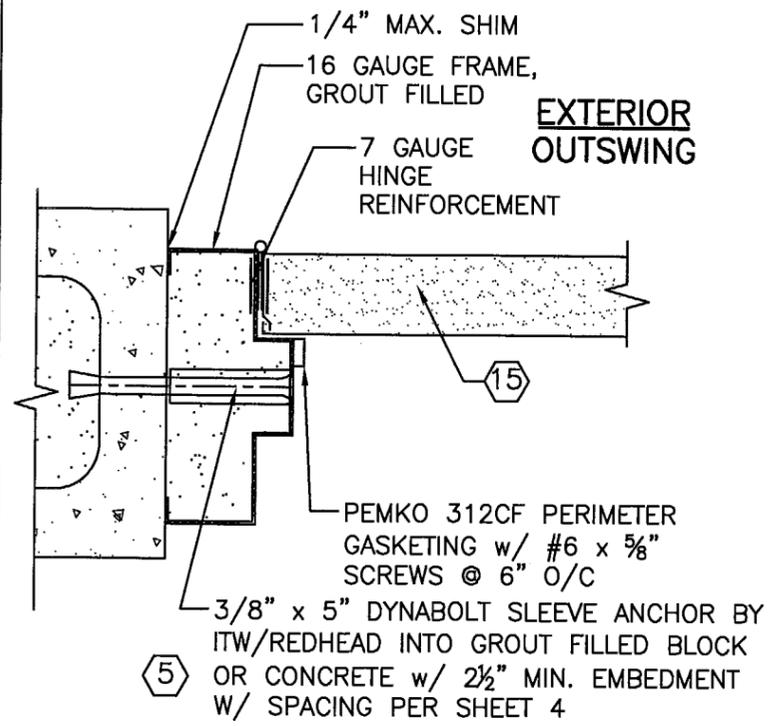
Ishaq I. Chanda, P.E.

Product Control Examiner

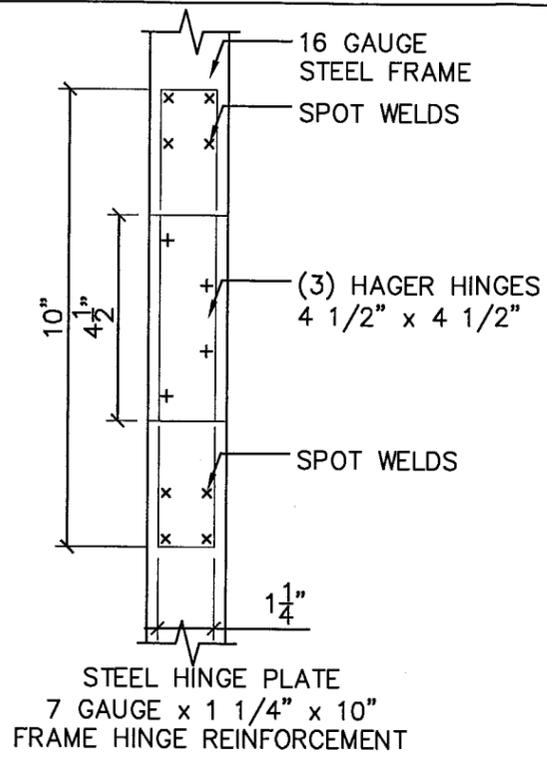
NOA No 04-0823.05

Expiration Date: January 30, 2008

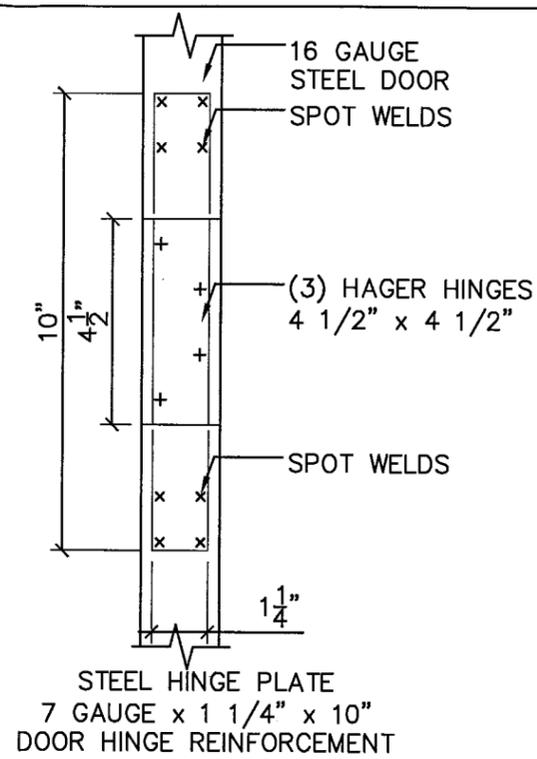
Approval Date: February 24, 2006



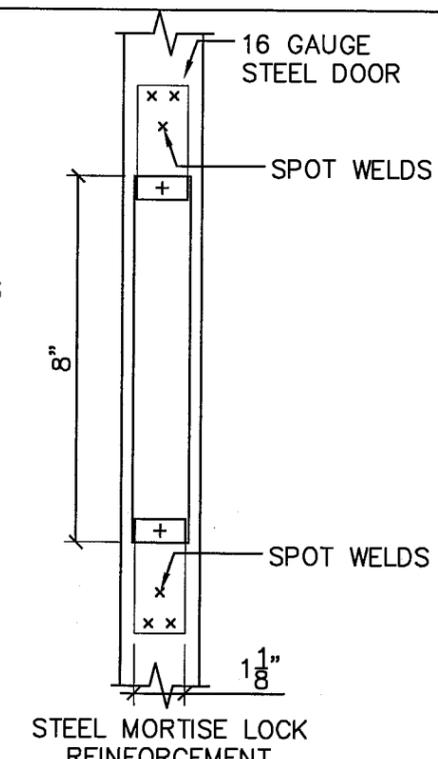
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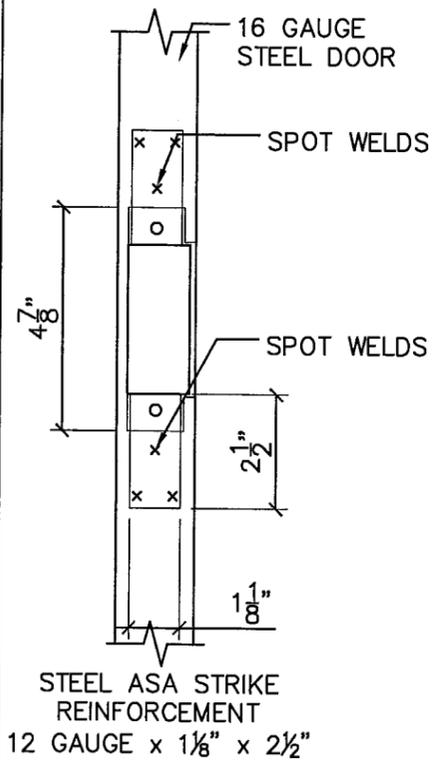
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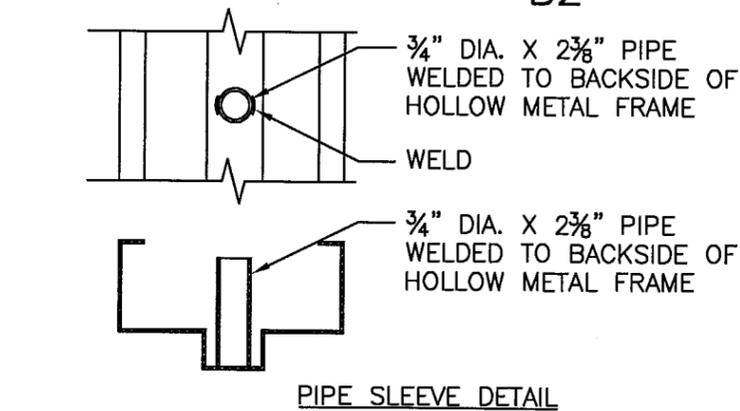
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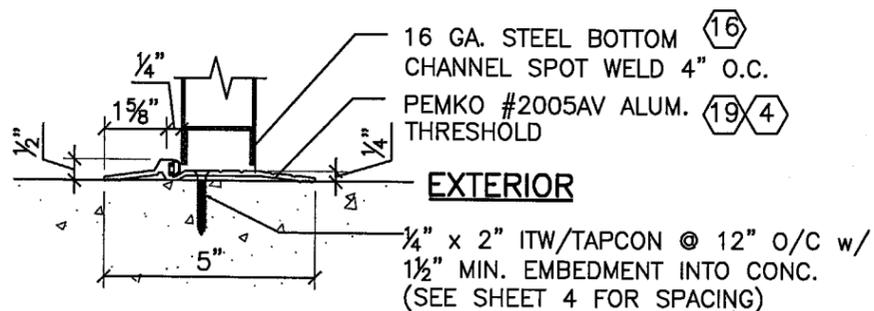
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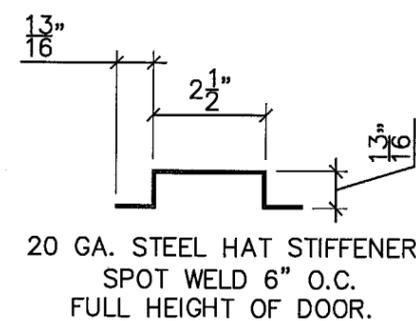
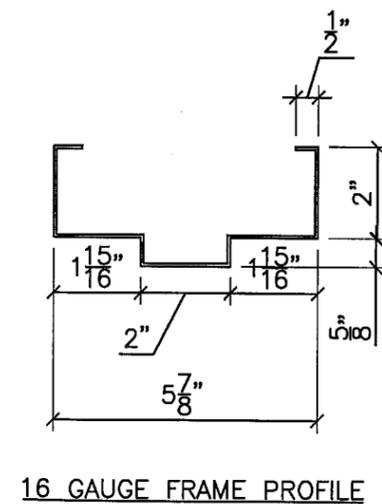
E2



PIPE SLEEVE DETAIL



THRESHOLD INSTALLATION



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 04-0823-05
Expiration Date JAN 30 2008
By [Signature]
Miami Dade Product Control Division

FEB 01 2006
[Signature]
DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63131
(NOT VALID WITHOUT SEAL)

16 GA. COMMERCIAL OUTSWING STEEL DOOR

DRAWING NUMBER 16GACOSD-1

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693
Quality Engineered Products Co., Inc.

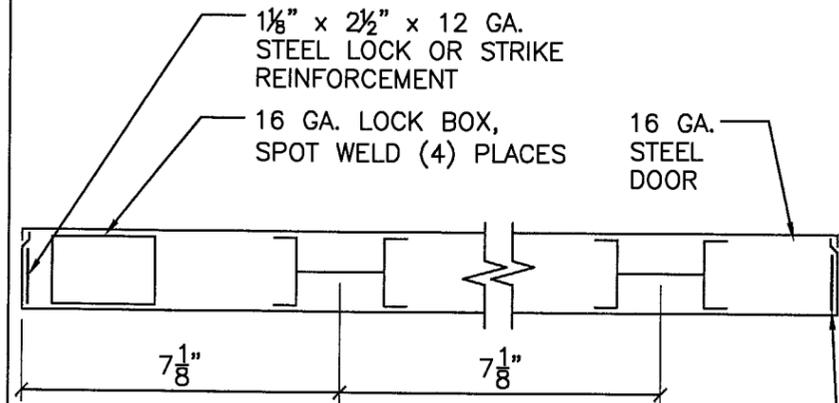
REVISIONS
-
3-01-26-06

HURRICANE TEST APPROVAL
SERIES 16GACOSD
16 GAUGE COMMERCIAL
OUTSWING STEEL DOORS

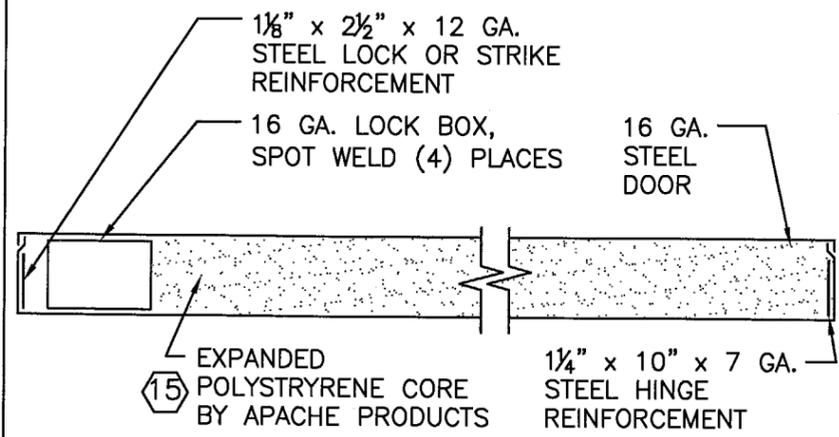
SHEET 2 OF 8

DATE: 5-6-04

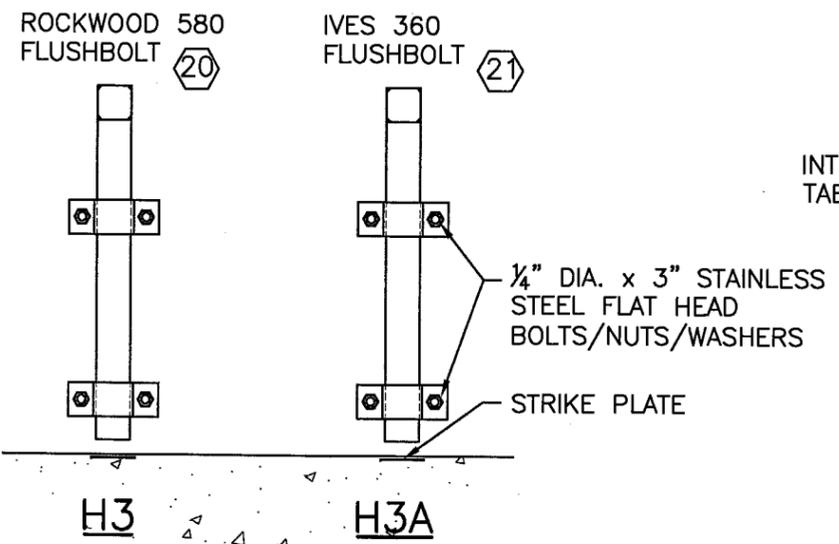
(X) = BILL OF MATERIALS REFERENCE, SEE SHEET 6 OF 8



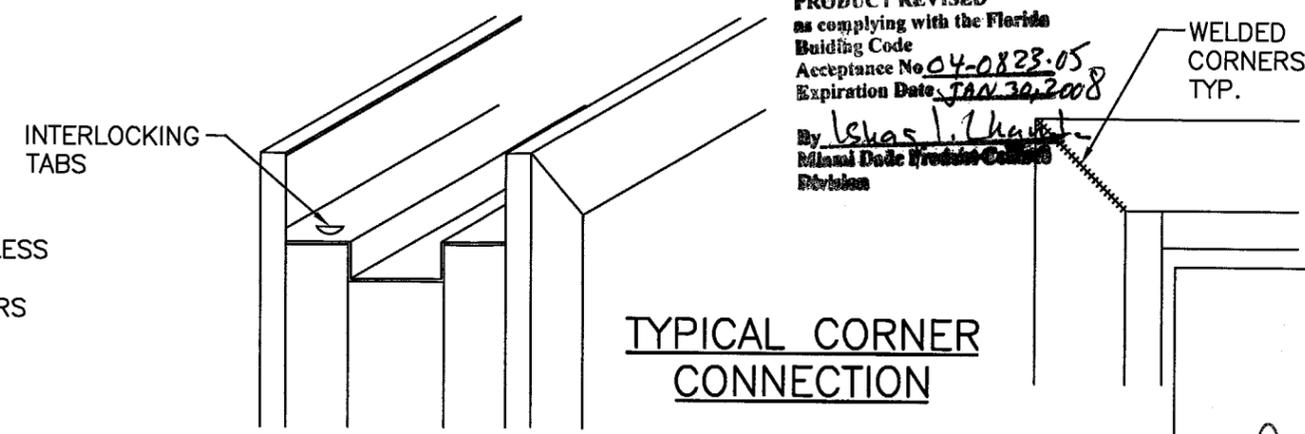
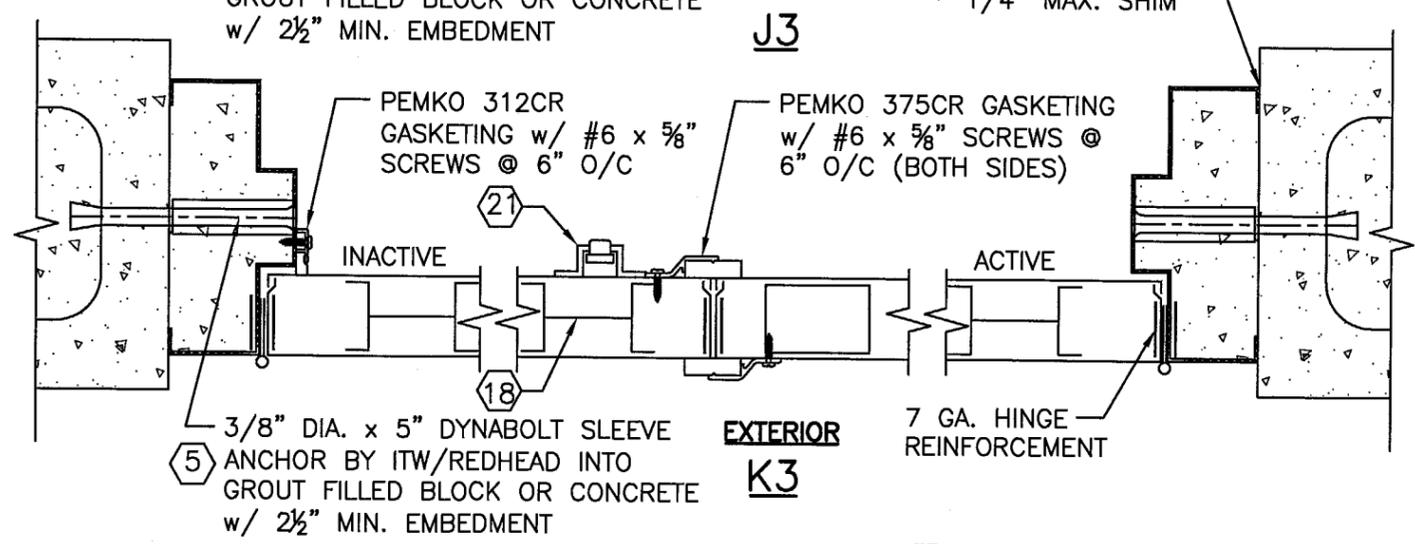
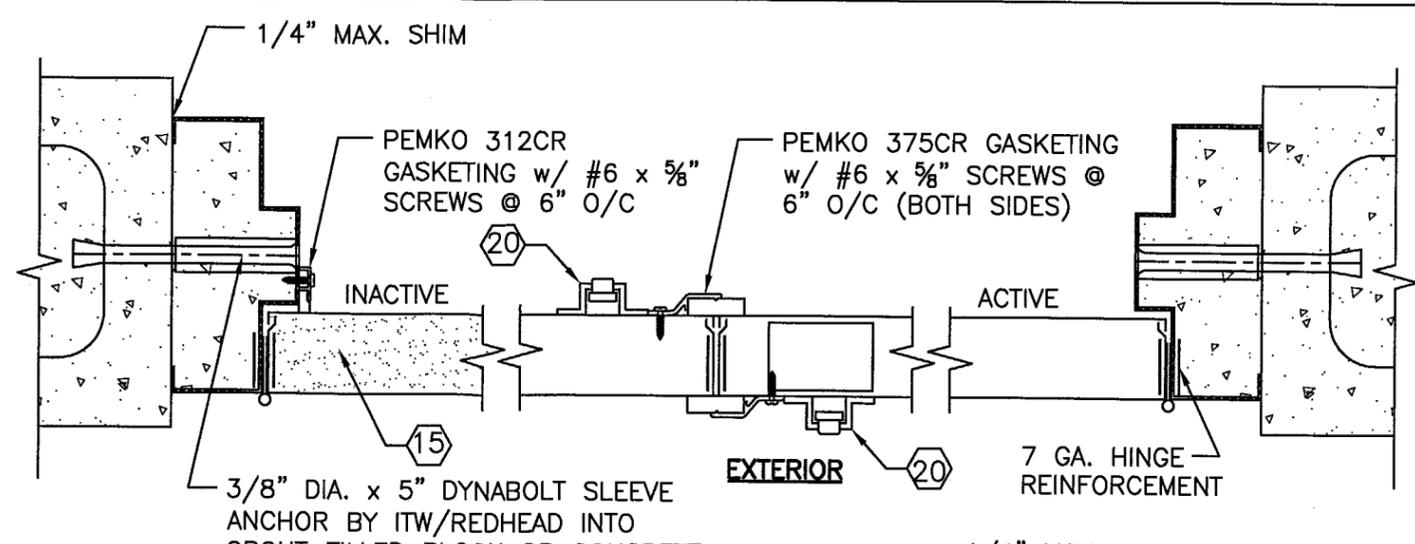
STEEL RIB CORE
G3
1/4" x 10" x 7 GA. STEEL HINGE REINFORCEMENT



STEEL RIB CORE
G3
EXPANDED POLYSTYRENE CORE BY APACHE PRODUCTS
1/4" x 10" x 7 GA. STEEL HINGE REINFORCEMENT



H3 **H3A**



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 04-0823-05
Expiration Date JAN 30, 2008
By Isayas I. Hunt
Miami Code Product Control Division

David M. Schonacher
FEB 01 2006
DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63131
(NOT VALID WITHOUT SEAL)

DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 885-1693
	REVISIONS 1 3 01-26-06	<i>Quality Engineered Products Co., Inc.</i>
HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS		
SHEET 3 OF 8		
DATE: 5-6-04		

(X) = BILL OF MATERIALS REFERENCE, SEE SHEET 6 OF 8

5

3/8" x 5" DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD INTO GROUT FILLED BLOCK OR CONCRETE w/ 2 1/2" MIN. EMBEDMENT W/ SPACING PER SHEET 4

1/4" MAX SHIM

PEMCO 68AR PERIMETER GASKETING w/ #6 x 5/8" SCREWS @ 6" O/C

20 OR 21 SEE DESIGN PRESSURE TABLE ON SHEET 1

20 OR 21 SEE DESIGN PRESSURE TABLE ON SHEET 1

NO ANCHORS REQUIRED IN HEAD OF FRAME (SEE NOTE*)

PEMCO 347A TOP DRIP w/ #6 x 5/8" SCREWS @ 6" O/C 12

PEMCO 68A TOP WEATHERSTRIP w/ #6 x 5/8" SCREWS @ 6" O/C 10

18 GA. STEEL TOP CAP, TACK WELD AND CAULK

16 GA. STEEL CHANNEL, SPOT WELD 4" O.C.

16 GA. STEEL CLOSER REINFORCEMENT

EXTERIOR (OUTSWING)

TACK WELD HATS TOGETHER TOP AND BOTTOM

20 GA. STEEL HAT STIFFENER, SPOT WELD 5" O.C. 18

ALL VOIDS FILLED W/ EPS BY APACHE 15

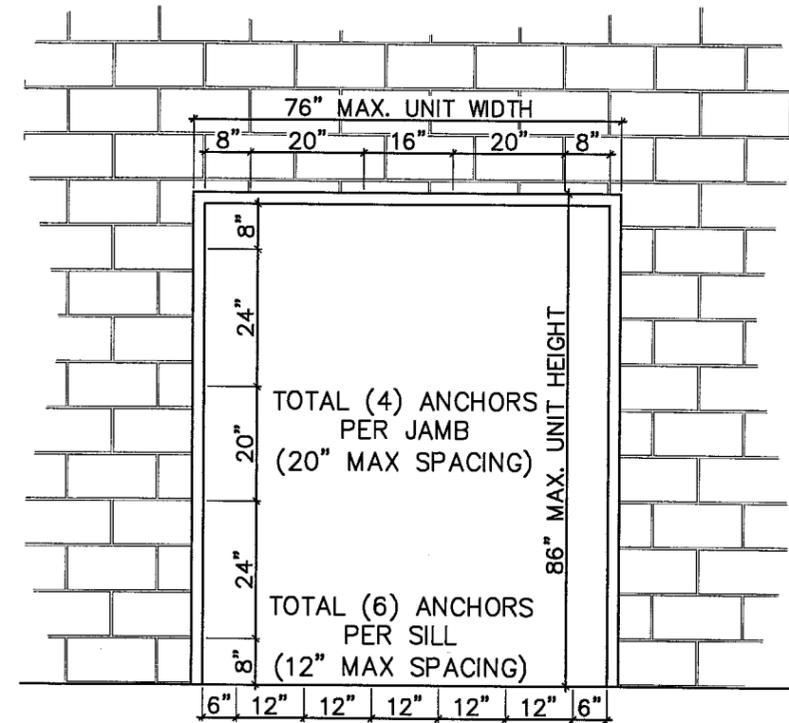
PEMCO #2005 AV THRESHOLD w/ VINYL SEAL 19 4

16 GA. STEEL BOTTOM CHANNEL SPOT WELD 4" O.C. 16

PEMCO 368CN DOOR BOTTOM SWEEP w/ #6 x 5/8" SCREWS @ 6" O/C

1/4" x 2" ITW/TAPCON @ 12" O/C w/ 1 1/2" MIN. EMBEDMENT INTO CONC. (SEE SHEET 4 FOR SPACING)

VERTICAL SECTION L-L



ANCHOR LOCATION INSTALLATION INTO NEW MASONRY (GROUT FILLED BLOCK)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0823-05
 Expiration Date JAN 30, 2008
 By *Ishak L. Ghannem*
 Miami Dade Product Control
 Division

FEB 01 2006
[Signature]
 DAVID M. SCHONACHER, P.E.
 FLORIDA REG. # 63131
 (NOT VALID WITHOUT SEAL)

16 GA. COMMERCIAL OUTSWING STEEL DOOR

DRAWING NUMBER 16GACOSD-1

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

Quality Engineered Products Co., Inc.

REVISIONS

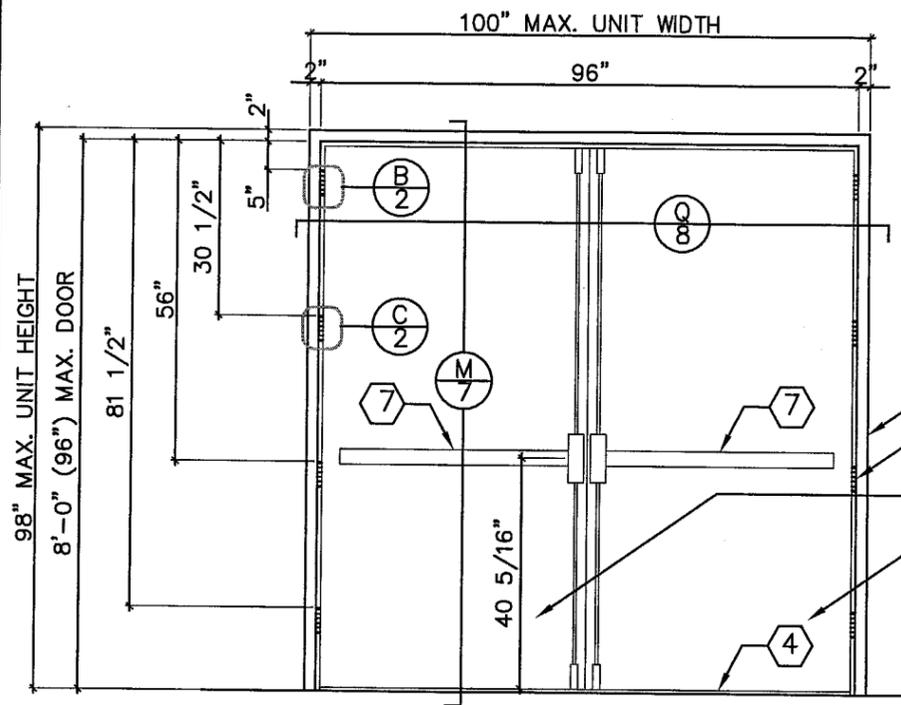
1	3 01-26-06
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HURRICANE TEST APPROVAL
SERIES 16GACOSD
16 GAUGE COMMERCIAL
OUTSWING STEEL DOORS

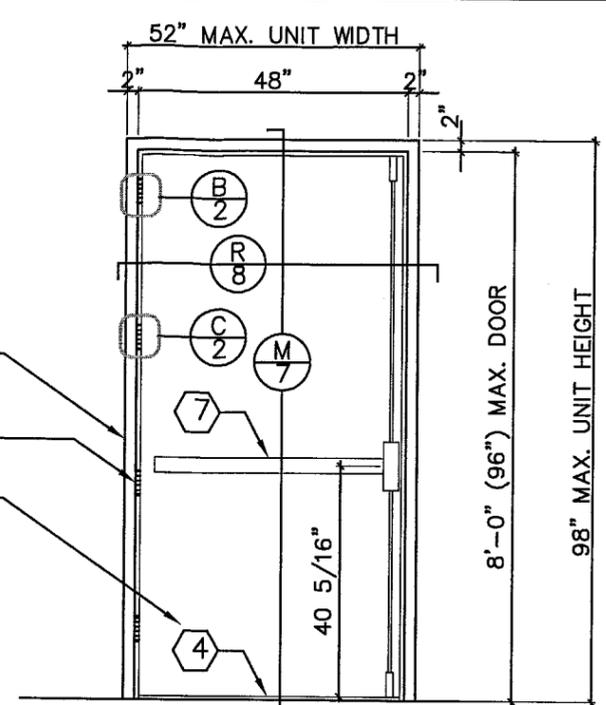
SHEET 4 OF 8

DATE: 5-6-04

X = BILL OF MATERIALS REFERENCE, SEE SHEET 6 OF 8

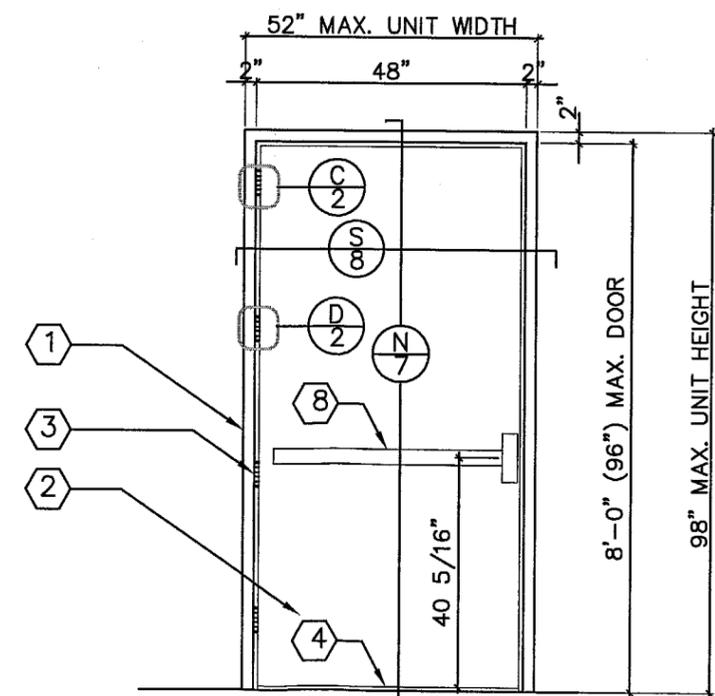


DOUBLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9400 VERTICAL ROD PANIC DEVICE



SINGLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9400 VERTICAL ROD PANIC DEVICE

DESIGN PRESSURE RATING		
	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT NOT IS NEEDED
POSITIVE	+80 PSF	+80 PSF
NEGATIVE	-80 PSF	-80 PSF



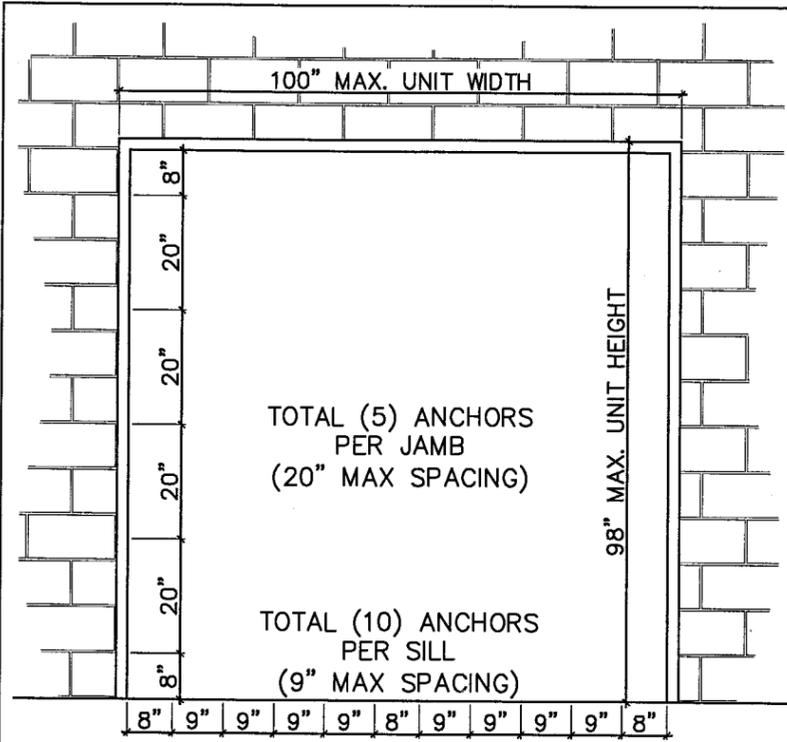
SINGLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9300 RIM EXIT DEVICE
w/ 416 STRIKE PLATE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-0823-05
Expiration Date JAN 30, 2008
By *Isaac J. L...*
Miami Dade Product Control
Division

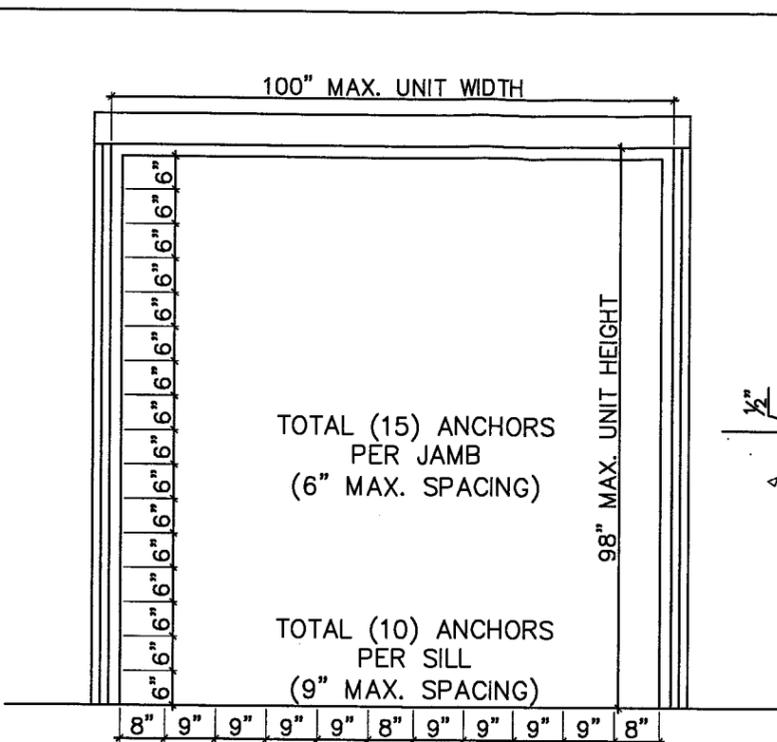
David M. Schonacher
FEB 01 2006
DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63131
(NOT VALID WITHOUT SEAL)

X = BILL OF MATERIALS REFERENCE, SEE SHEET 6 OF 8

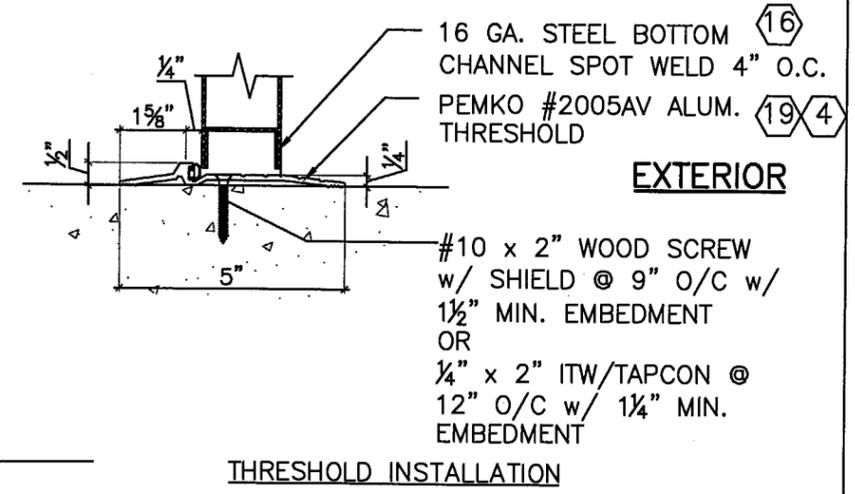
DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 885-1693
	HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS	<i>Quality Engineered Products Co., Inc.</i>
SHEET 5 OF 8	REVISIONS - - 3 01-26-06	DATE: 5-6-04



ANCHOR LOCATION INSTALLATION INTO NEW MASONRY
(GROUT FILLED BLOCK)



ANCHOR LOCATION INSTALLATION INTO WOOD STRUCTURE



ITEM #	QUANTITY	BILL OF MATERIALS
①	1	16 GA. MIN., 14 GA. MAX., STEEL HEAD/JAMB/SILL FRAME
2	2	16 GA. MIN, 14 GA. MAX., GLAZED STEEL DOOR - Fy MIN. 49,000 PSI
3	8	HAGAR HINGES BB1279 4½" x 4½" x 0.134" THICK
4	1	PEMKO 2005AV THRESHOLD
5	10	3/8" X 5" DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD w/ 3/4" EMT WELDED PIPE SLEEVE
6	30	½" x 6" WOOD LAG SCREWS w/ ¾" EMT PIPE SLEEVE
7	2	DORMA EXIT DEVICE HCF9400 VERTICAL ROD EXIT DEVICE w/ STRIKEPLATES TOP AND BOTTOM
8	2	DORMA EXIT DEVICE HCF9300 RIM EXIT DEVICE w/ STRIKE PLATES (416)
9	1	PDQ MORTISE LOCK MR117
10	1	PEMKO 68A DOOR TOP WEATHERSTRIP w/ #6 x 5/8" SCREWS

ITEM #	QUANTITY	BILL OF MATERIALS
11	AS REQ.	NATIONAL GAURD #130SA WEATHERSTRIP w/ #6 x 5/8" SCREWS
12	1	PEMKO 347A TOP DRIP
13	8	7 GA. STEEL DOOR HINGE REINFORCEMENT
14	8	7 GA. STEEL FRAME HINGE REINFORCEMENT
15	AS REQ.	EXPANDED POLYSTYRENE (EPS) BY APACHE w/ CURRENT NOA PRODUCTS
16	4	16 GA. STEEL TOP AND BOTTOM "U" CHANNEL
17	2	12 GA. STEEL 1.5" x 4.5" x FULL LENGTH LOCK REINFORCEMENT
18	AS REQ.	20 GA. STEEL HAT STIFFENERS
19	1	VINYL GASKETING (THRESHOLD)
20	1	ROCKWOOD 580 SURFACE BOLTS
21	1	IVES 360 SURFACE BOLTS
22	1	SCHLAGE MORTISE LOCK MODEL L9453P, SARGENT MORTISE LOCK MODEL 8225NL (70 PSF ONLY)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-0823-05
Expiration Date Jan 30, 2008
By: *J. Shas T. Chande*
Miami Dade Product Control
Division

FEB 01 2006
[Signature]
DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63131
(NOT VALID WITHOUT SEAL)

DRAWING NUMBER 16GACOSD-1

16 GA. COMMERCIAL OUTSWING STEEL DOOR

REVISIONS

1 3 01-26-06

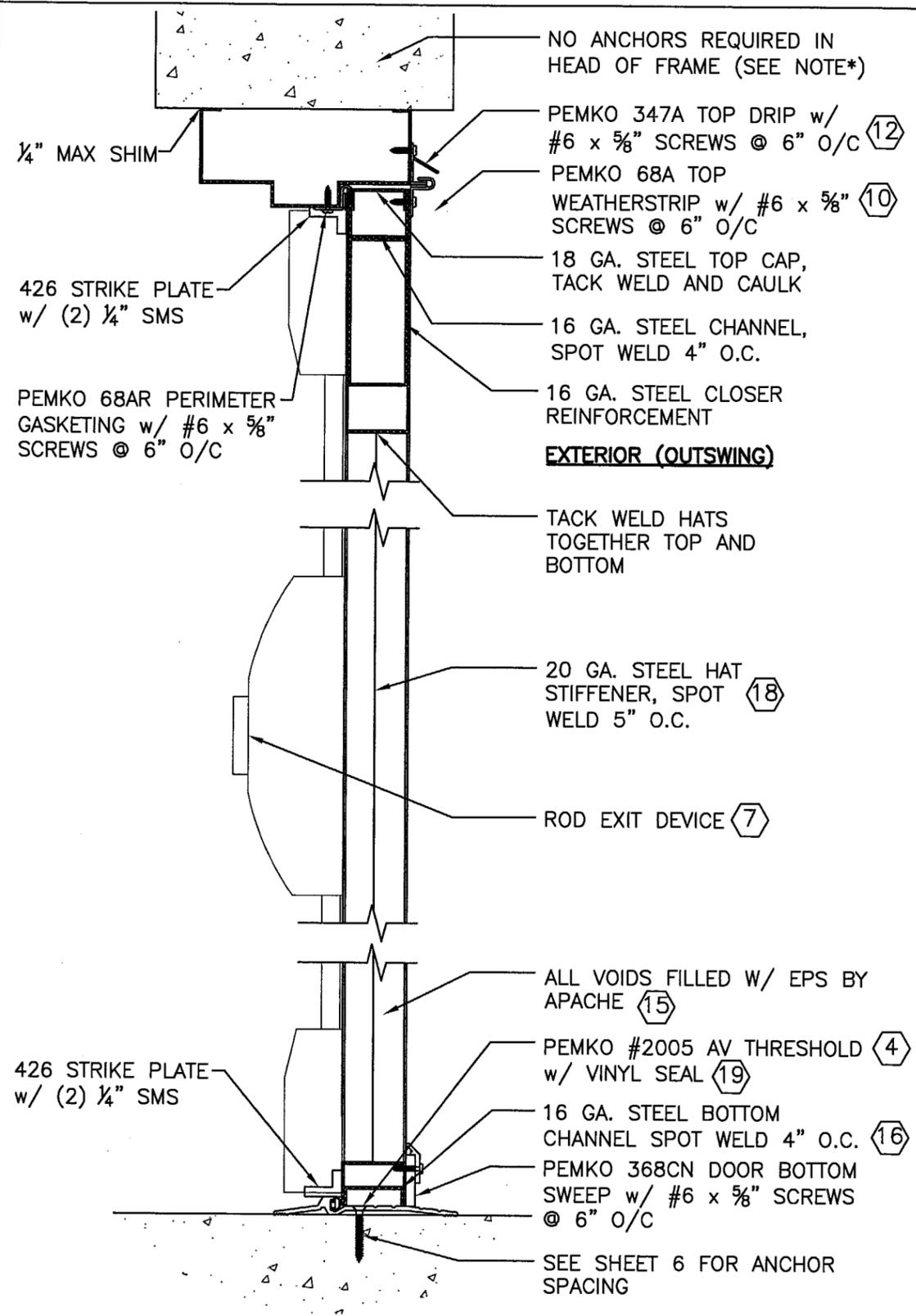
HURRICANE TEST APPROVAL
SERIES 16GACOSD
16 GAUGE COMMERCIAL
OUTSWING STEEL DOORS

SHEET 6 OF 8

DATE: 5-6-04

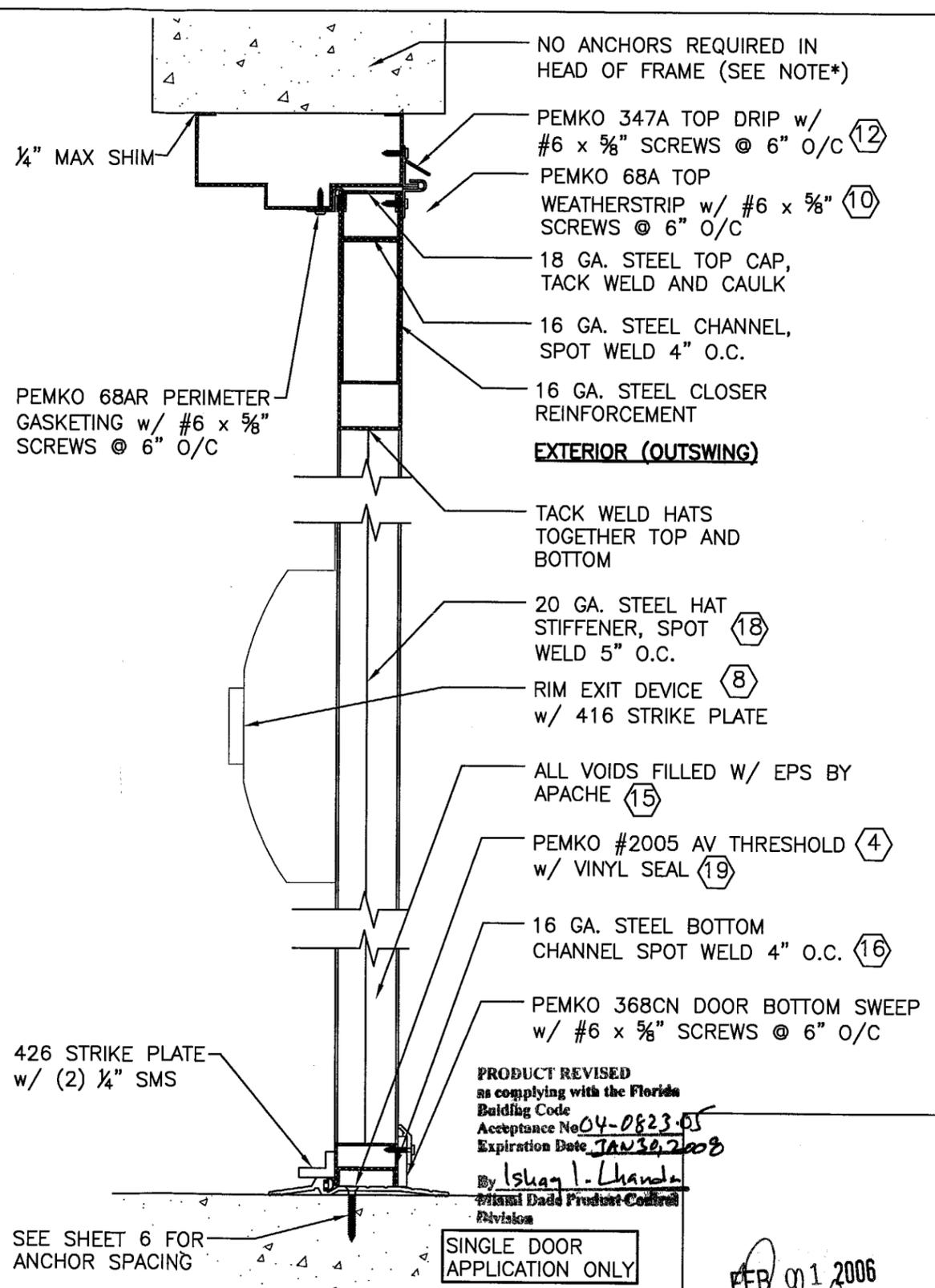
4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

Quality Engineered Products Co., Inc.



VERTICAL SECTION M-M

(X) = BILL OF MATERIALS REFERENCE, SEE SHEET 6 OF 8



VERTICAL SECTION N-N

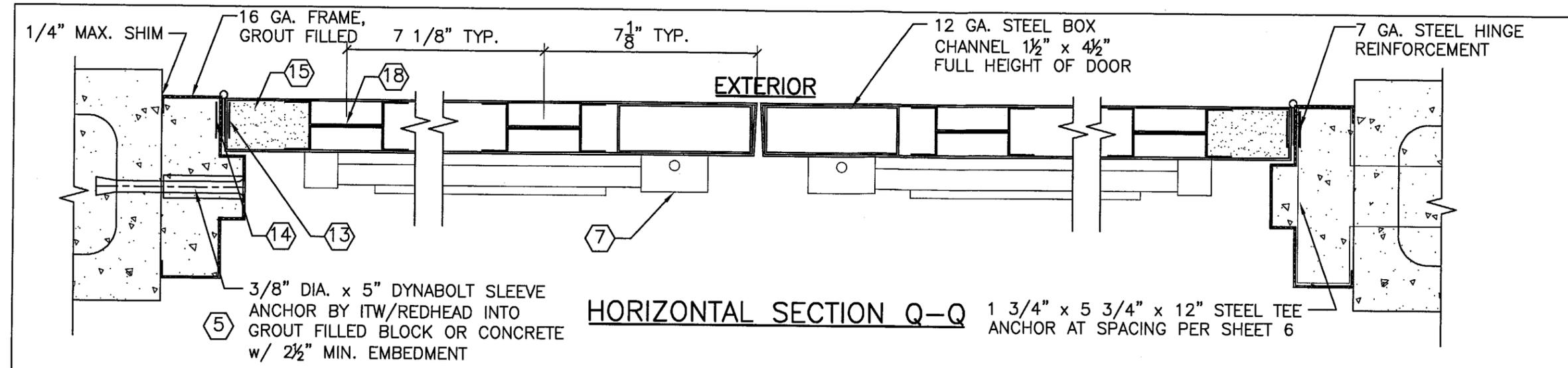
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0823-05
 Expiration Date JAN 30, 2008
 By Ishtaq I. Lhanda
 Miami Dade Product Control
 Division

SINGLE DOOR
 APPLICATION ONLY

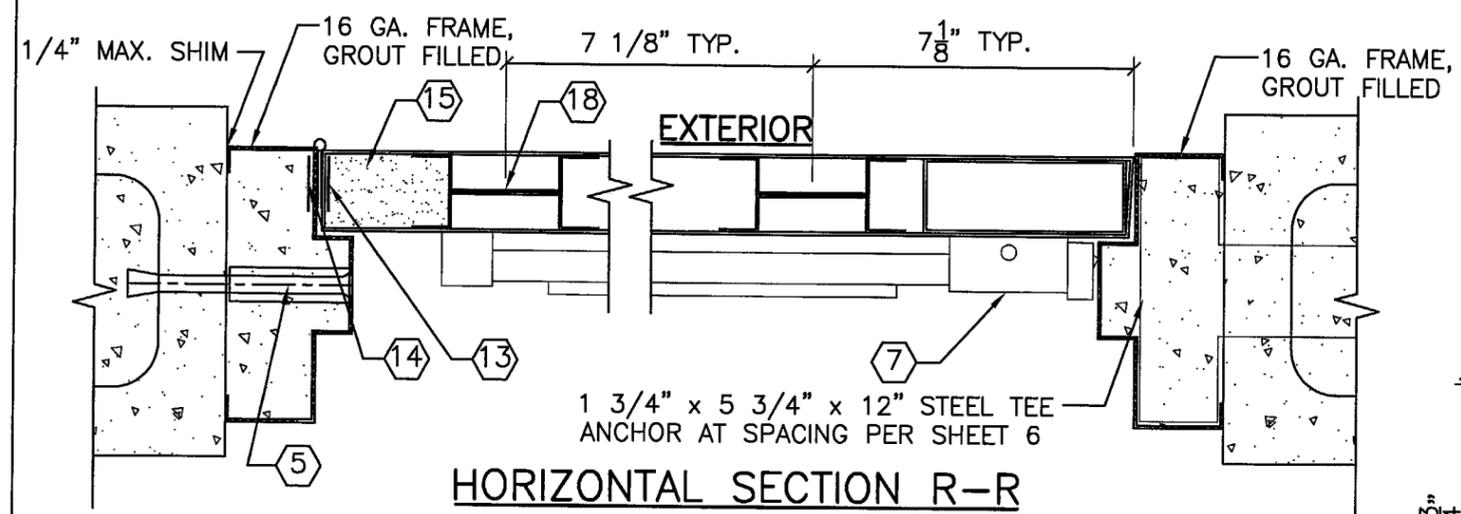
FEB 01 2006

DAVID M. SCHONACHER, P.E.
 FLORIDA REG. # 63131
 (NOT VALID WITHOUT SEAL)

DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 885-1693
	REVISIONS - - 3 01-26-06	Quality Engineered Products Co., Inc.
HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS		
SHEET 7 OF 8		
DATE: 5-6-04		

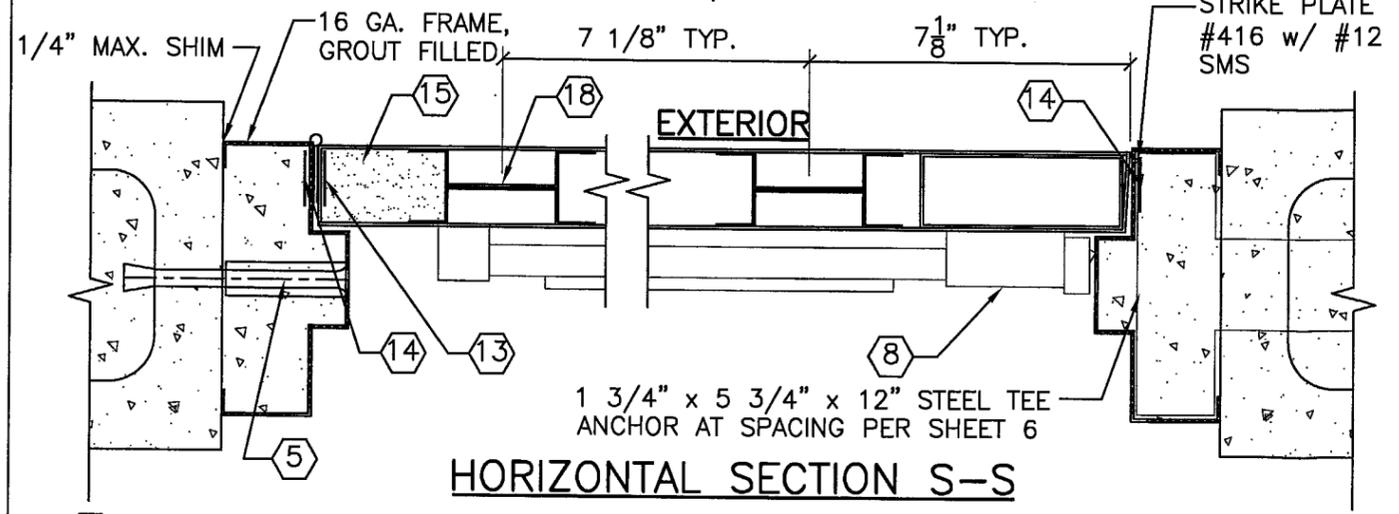


HORIZONTAL SECTION Q-Q



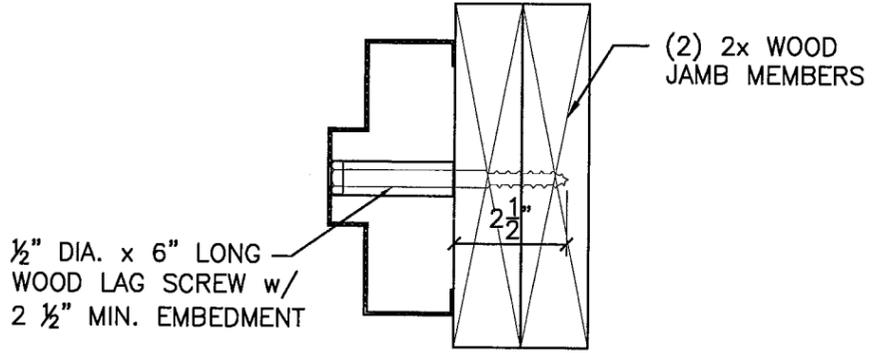
HORIZONTAL SECTION R-R

SINGLE DOOR w/ ROD EXIT DEVICE

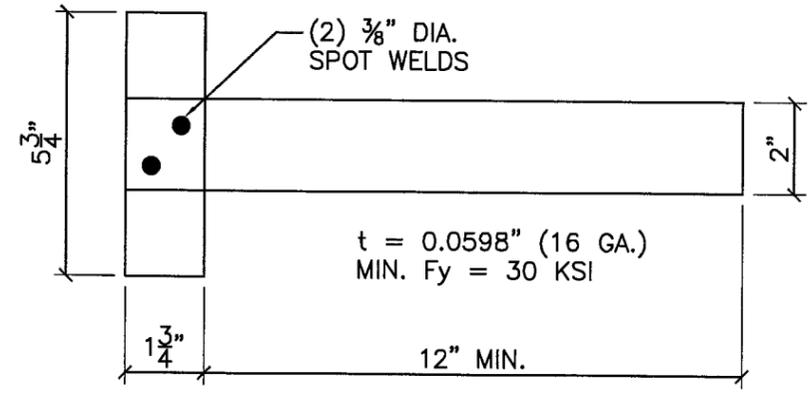


HORIZONTAL SECTION S-S

SINGLE DOOR w/ PANIC RIM EXIT DEVICE



ALT WOOD FRAME ATTACHMENT



ALT T ANCHOR ATTACHMENT

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0822-05
 Expiration Date JAN 30, 2008
 By (Shaq) L. Lhand
 Miami Dad Product Control
 Division

FEB 01 2006
 DAVID M. SCHONACHER, P.E.
 FLORIDA REG. # 63131
 (NOT VALID WITHOUT SEAL)

(X) = BILL OF MATERIALS REFERENCE, SEE SHEET 6 OF 8

DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 885-1693
	REVISIONS - - 3 01-26-06	<i>Quality Engineered Products Co., Inc.</i>
HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS	SHEET 8 OF 8	DATE: 5-6-04